

1. PERFORMANCE

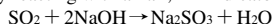
- 1) Measuring range : 20-300 ppm
Number of pump strokes : 1 (100ml)
- 2) Sampling time : 1 minute/1 pump stroke
- 3) Detectable limit : 3 ppm
- 4) Shelf life : 2 years
- 5) Operating temperature : 0 ~ 40 °C
- 6) Reading : Direct reading from the scale calibrated by 1 pump stroke
- 7) Colour change : Purple → Yellow

2. RELATIVE STANDARD DEVIATION

RSD-low : 10 % RSD-mid. : 5 % RSD-high : 5 %

3. CHEMICAL REACTION

By reacting with alkali, PH indicator is discoloured.



4. CALIBRATION OF THE TUBE

STANDARD GAS CYLINDER METHOD

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	ppm	Interference	ppm	Coexistence
Chlorine FIG.1		Similar stain is produced.	SO ₂ conc. × 1/5	Higher readings are given.
Nitrogen dioxide FIG.2	100	Pink stain is produced.	∕	∕
Hydrogen Sulphide FIG.3			SO ₂ conc. × 100	Lower readings are given.

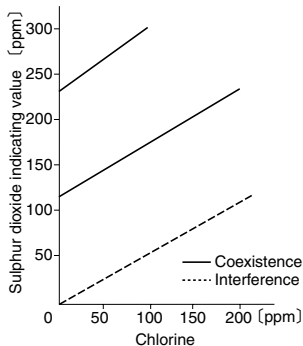


FIG.1 Influence of Chlorine

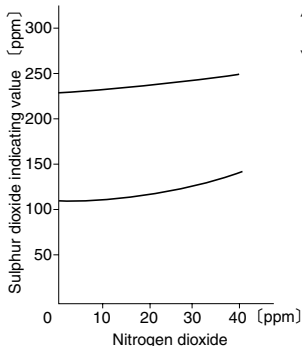


FIG.2 Influence of Nitrogen dioxide

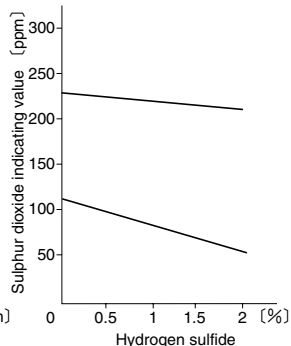


FIG.3 Influence of Hydrogen sulfide